

## ABSTRACT

5        Boundaries of a moving haven along a voyage plan are constructed with the utilization of simple shapes, rectangles and arcs, each of which are drawn with  
10      selected line segments. A buffer, internal to the moving haven boundary, is created, which, when crossed initiates a warning that the boundary of the moving haven is being approached. Procedures for the implementation of the moving haven boundary and the buffer are substantially similar, with but few modification from the procedure that generates the moving haven needed to establish the procedure to implement the procedure that generates the buffer.